

# इंटरनेट

# मानक

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IS 12525 (1989): Snap Rings [PGD 2: Machine Tool Elements and Holding Devices]



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Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”



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*Indian Standard*  
**SNAP RINGS — SPECIFICATION**

**भारतीय मानक**  
**स्नैप — रिंग — बिसिफिके**

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NEW DELHI 110002

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**Price Group 1**

## **FOREWORD**

This Indian Standard was adopted by the Bureau of Indian Standards on 5 January 1989, after the draft finalized by the Machine Tools, Machine Tool Elements and Wood Working Machine Sectional Committee had been approved by the Mechanical Engineering Division Council.

In the preparation of this standard, considerable assistance has been derived from DIN 9045-1974 'Snap rings', issued by the Deutsches Institut für Normung ( DIN ).

# Indian Standard

## SNAP RINGS — SPECIFICATION

### 1 SCOPE

**1.1** This standard specifies the dimensions and other requirements for snap rings used in assembly of thrust pads of Type A according to IS 6337 : 1989 'Specification for thrust pads (first revision)'.<sup>1</sup>

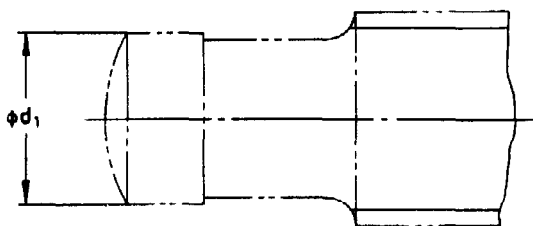
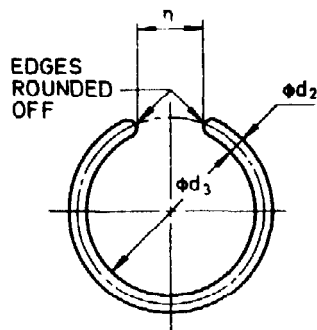
### 2 REFERENCES

**2.1** The Indian Standards listed below are necessary adjuncts to this standard:

IS No.	Title
IS 2102 ( Part 1 ) : 1980	General tolerances for dimensions and form and position: Part 1 General tolerances for linear and angular dimensions ( second revision )
IS 4454 ( Part 1 ) : 1975	Specification for steel wires for cold formed springs: Part 1 Patented and cold drawn steel wires — Unalloyed ( first revision )
IS 6336 : 1989	Specification for screw for thrust pads ( fixtures )
IS 12582 : 1989	Specification for tommy screws with fixed bars

### 3 DIMENSIONS

**3.1** The dimensions shall be as given below.



\*  
TOMMY SCREW FOR THRUST PAD

All dimensions in millimetres.

Nominal Diameter $d_1$	Dia $d_2$	Dia $d_3$ $\pm 0.1$	$n$ $\approx$	Expanded Length
4.5	0.5	4.1	2.5	11.95
6.0	0.8	5.4	2.5	16.9
8.0	0.8	7.2	4.0	21.1
12.0	1.0	11.0	6.0	31.7
15.5	1.6	14.5	6.0	44.6

\*Refer IS 12582 : 1989 and IS 6336 : 1989.

### NOTES

- Dimensional deviations for untoleranced dimensions: Medium class according to IS 2102 ( Part 1 ) : 1980.
- Diameter  $d_3$  specified when it is in free condition.

### 4 MATERIAL

**4.1** The snap rings shall be made from patented and cold drawn spring steel wires unalloyed in accordance with IS 4454 ( Part 1 ) : 1975 suitably heat treated or any other suitable material subject to agreement between the purchaser and the manufacturer.

### 5 FINISH

**5.1** The snap rings shall be free from cracks, burrs, pits and other defects.

### 6 PRESERVATION AND PACKING

**6.1** A suitable anti-corrosive treatment shall be given to the snap rings.

**6.2** The snap rings shall be packed in accordance with the best trade practices.

### 7 DESIGNATION

**7.1** A snap ring of nominal diameter 4.5 mm shall be designated as:

Snap Ring — 4.5 — IS 12525

### 8 MARKING

**8.1** The carton containing the snap rings shall be marked with nominal diameter, manufacturer's name, initials and registered trade-mark.

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